

**Human Health Risks Calculated for U.S. Navy Installations in Hawaii and Guam
With Soil Impacted by Chlordane Applied To Control Termites and Other Pests
Version Date: 05/16/06**

Analyte	Enter Soil Concentration Here (mg/kg)	Construction Worker Adult 3 Year Exposure 250 days/year		Civilian Industrial Worker Adult 25 Year Exposure 250 days/year		Military Industrial Worker Adult 6 Year Exposure 250 days/year	
		Hazard Quotient	Cancer Risk	Hazard Quotient	Cancer Risk	Hazard Quotient	Cancer Risk
Chlordane (Total)	16	1.34E-01	1.00E-06	2.39E-02	1.50E-06	2.39E-02	3.59E-07
Heptachlor	0.0025	2.09E-05	2.01E-09	3.74E-06	3.00E-09	3.74E-06	7.21E-10
Heptachlor Epoxide	0.0005	1.60E-04	8.14E-10	2.88E-05	1.22E-09	2.88E-05	2.92E-10
Total Risk		1.34E-01	1.00E-06	2.40E-02	1.50E-06	2.40E-02	3.60E-07

Notes:

The human health risks presented in this table incorporate the following exposure pathways

1. Incidental Soil Ingestion
2. Dermal Contact with Soil
3. Inhalation of Soil Particulates

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Analyte	Enter Soil Concentration Here (mg/kg)	Maintenance Worker Adult 25 Year Exposure 50 days/year		Residential Child 6 Year Exposure 350 days/year		Residential Child/Adult 30 Year Integrated Exposure 350 days/year		Utility Worker Adult 25 Year Exposure 14 days/year	
		Hazard Quotient	Cancer Risk	Hazard Quotient	Cancer Risk	Hazard Quotient	Cancer Risk	Hazard Quotient	Cancer Risk
Chlordane (Total)	16	4.79E-03	2.99E-07	4.55E-01	6.82E-06	4.93E-01	9.70E-06	1.34E-03	8.37E-08
Heptachlor	0.0025	7.48E-07	6.01E-10	7.11E-05	1.37E-08	7.71E-05	1.95E-08	2.09E-07	1.68E-10
Heptachlor Epoxide	0.0005	5.75E-06	2.43E-10	5.47E-04	5.54E-09	5.93E-04	7.88E-09	1.61E-06	6.80E-11
Total Risk		4.79E-03	3.00E-07	4.56E-01	6.84E-06	4.94E-01	9.73E-06	1.34E-03	8.40E-08

Notes:

The human health risks presented in this table incorporate the following exposure pathways

1. Incidental Soil Ingestion
2. Dermal Contact with Soil
3. Inhalation of Soil Particulates